

Safety Data Sheet

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1. Identification

Product identifier used on the label

Recommended use of the chemical and restriction on use

Recommended use*: for industrial use only

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300

Other means of identification

Chemical family: Coating

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization
STOT SE	3 (irritating to respiratory system)	Specific target organ toxicity — single exposure
Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	3	Hazardous to the aquatic environment - chronic
Flam. Liq.	3	Flammable liquids

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Label elements

Pictogram:



Signal Word:
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash with plenty of water and soap thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P243	Take precautionary measures against static discharge.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground/bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P363	Wash contaminated clothing before reuse.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P321	Specific treatment (see on this label).
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

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P501

Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No applicable information available.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

INGESTION MAY CAUSE GASTRIC DISTURBANCES.

May cause pulmonary edema.

FLAMMABLE LIQUID.

CONTAINS A MATERIAL WHICH HAS BEEN IDENTIFIED AS A SUSPECT CANCER HAZARD.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
95-63-6	>= 3.0 - < 5.0%	1,2,4-trimethylbenzene
108-67-8	>= 1.0 - < 3.0%	mesitylene
110-43-0	>= 7.0 - < 10.0%	2-heptanone
25448-25-3	>= 0.3 - < 1.0%	triisodecyl phosphite
64742-95-6	>= 3.0 - < 5.0%	Solvent naphtha (petroleum), light arom.
98-56-6	>= 25.0 - < 50.0%	4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
95-63-6	>= 3.0 - <= 10.0%	1,2,4-trimethylbenzene
98-82-8	>= 0.0 - <= 5.0%	cumene
108-67-8	>= 0.0 - <= 5.0%	mesitylene
110-43-0	>= 5.0 - <= 15.0%	2-heptanone

4. First-Aid Measures

Description of first aid measures

General advice:

If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. If irritation develops, seek medical attention. Seek medical attention.

Most important symptoms and effects, both acute and delayed

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Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
carbon dioxide, foam, dry powder

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Remove product from areas of fire, or otherwise cool sealed containers with water in order to avoid pressure build up due to heat.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Use antistatic tools. Wear suitable personal protective clothing and equipment. Ensure adequate ventilation.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities.

Methods and material for containment and cleaning up

Dike spillage. Place into appropriately labeled waste containers.

7. Handling and Storage

Precautions for safe handling

Handle and open container with care. Use static lines when mixing and transferring material. Do not puncture, drop, or slide containers. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:

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Use antistatic tools. Exhaust fans should be explosion proof. Avoid all sources of ignition: heat, sparks, open flame. Sealed containers should be protected against heat as this results in pressure build-up.

Conditions for safe storage, including any incompatibilities

Segregate from oxidizing agents. Segregate from incompatible substances.

Suitable materials for containers: glass, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Protect from direct sunlight.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

1,2,4-trimethylbenzene	OSHA PEL	TWA value 25 ppm 125 mg/m3 ;
	ACGIH TLV	TWA value 25 ppm ;
cumene	OSHA PEL	Skin Designation ;
		The substance can be absorbed through the skin.
		PEL 50 ppm 245 mg/m3 ; SKIN_FINAL ;
		The substance can be absorbed through the skin.
		TWA value 50 ppm 245 mg/m3 ;
	ACGIH TLV	TWA value 50 ppm ;
mesitylene	OSHA PEL	TWA value 25 ppm 125 mg/m3 ;
	ACGIH TLV	TWA value 25 ppm ;
2-heptanone	OSHA PEL	PEL 100 ppm 465 mg/m3 ; TWA value 100
		ppm 465 mg/m3 ;
	ACGIH TLV	TWA value 50 ppm ;

Personal protective equipment

Respiratory protection:

Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Use appropriate chemically resistant gloves as determined by an evaluation of glove performance characteristics and the hazards and potential hazards identified, including but not limited to butyl, natural and synthetic rubber, nitrile, or neoprene.

Eye protection:

Wear face shield if splashing hazard exists. Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Work place should be equipped with a shower and an eye wash. Remove contaminated clothing. Contaminated equipment or clothing should be cleaned after each use or disposed of. Contact lenses should not be worn. Hands and/or face should be washed before breaks and at the end of the shift.

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9. Physical and Chemical Properties

Form:	liquid	
Odour:	product specific	
Odour threshold:	No applicable information available.	
Colour:	No applicable information available.	
pH value:	No applicable information available.	
Melting point:	No applicable information available.	
Boiling range:	No applicable information available.	
Sublimation point:	No applicable information available.	
Flash point:	> 91.40 °F	
Flammability:	No applicable information available.	
Lower explosion limit:	No applicable information available.	
Upper explosion limit:	No applicable information available.	
Autoignition:	No applicable information available.	
Density:	1.1259 g/cm3 (20 °C)	(calculated)
	9.3965 lb/USg	(calculated)
Relative density:	1.1260 (20 °C)	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	97.300 mm2/s	
Solubility in water:	No applicable information available.	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Evaporation rate:	No applicable information available.	

10. Stability and Reactivity

Reactivity

No applicable information available.

Chemical stability

Possibility of hazardous reactions

No applicable information available.

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

Incompatible materials

strong oxidizing agents

Hazardous decomposition products

11. Toxicological information

Primary routes of exposure

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Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1,2,4-trimethylbenzene

Assessment of acute toxicity: Of low toxicity after single ingestion. Of moderate toxicity after short-term inhalation. EU-classification Virtually nontoxic after a single skin contact.

Information on: 2-heptanone

Assessment of acute toxicity: Of moderate toxicity after short-term inhalation. Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Information on: Solvent naphtha (petroleum), light arom.

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. No deaths at the highest dose tested after short-term inhalation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Of low toxicity after short-term skin contact.

Assessment other acute effects

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

Irritation / corrosion

Assessment of irritating effects: Eye contact causes irritation. Skin contact causes irritation.

Information on: 1,2,4-trimethylbenzene

Assessment of irritating effects: Irritating to eyes and skin. EU-classification

Information on: mesitylene

Assessment of irritating effects: Irritating to skin. Not irritating to the eyes.

Information on: Solvent naphtha (petroleum), light arom.

Assessment of irritating effects: May cause slight irritation to the skin. May cause slight irritation to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene

Assessment of irritating effects: May cause slight irritation to the skin. Not irritating to the eyes.

Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

Aspiration Hazard

No applicable information available.

Chronic Toxicity/Effects

Repeated dose toxicity

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Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1,2,4-trimethylbenzene

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. Investigations using experimental animals show that the material can cause lung tissue changes following inhalation.

Information on: 2-heptanone

Assessment of repeated dose toxicity: May affect the liver and kidneys as indicated in animal studies.

Information on: 4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene

Assessment of repeated dose toxicity: Repeated exposure to the substance by oral administration leads to effects similar to those found after single exposure. Repeated exposure to the substance by inhalative administration leads to effects similar to those found after single exposure.

May affect the liver and kidneys as indicated in animal studies. Overexposure may cause blood abnormalities.

Genetic toxicity

Assessment of mutagenicity: No applicable information available.

Carcinogenicity

Assessment of carcinogenicity: No applicable information available.

Reproductive toxicity

Assessment of reproduction toxicity: No applicable information available.

Teratogenicity

Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1,2,4-trimethylbenzene

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The potential to cause toxicity to development cannot be excluded at maternally toxic doses.

Information on: mesitylene

Assessment of teratogenicity: The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

No applicable information available.

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13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater.

Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

Hazard class: 3
Packing group: III
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT

Sea transport

IMDG

Hazard class: 3
Packing group: III
ID number: UN 1263
Hazard label: 3
Marine pollutant: NO
Proper shipping name: PAINT

Air transport

IATA/ICAO

Hazard class: 3
Packing group: III
ID number: UN 1263
Hazard label: 3
Proper shipping name: PAINT

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US blocked / not listed

EPCRA 313:

CAS Number

95-63-6

Chemical name

1,2,4-trimethylbenzene

CERCLA RQ

100 LBS

CAS Number

103-65-1; 1330-20-7

Chemical name

propylbenzene; Xylene

1000 LBS

100-41-4; 108-95-

ethylbenzene; phenol

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5000 LBS 2
 98-82-8 cumene

State regulations

State RTK

NJ

CAS Number

95-63-6

108-67-8

110-43-0

98-56-6

PA

95-63-6

108-67-8

110-43-0

Chemical name

1,2,4-trimethylbenzene

mesitylene

2-heptanone

4-Chloro-.alpha.,.alpha.,.alpha.-trifluorotoluene

1,2,4-trimethylbenzene

mesitylene

2-heptanone

CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

NFPA Hazard codes:

Health : 2

Fire: 2

Reactivity: 0

Special:

HMIS III rating

Health: 2

Flammability: 2

Physical hazard: 0

16. Other Information

SDS Prepared by:

SDS Prepared on: 2016/08/30

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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